AUTHOR INDEX Volume 14, 1990

Abdalla, E. B., 139 Ahne, W., 255 Ainsworth, A. J., 201 Anderson, D. P., 231 Aoike, A., 465 Areechon, N., 355 Aston, W. P., 369

Bachère, E., 261 Batoni, G., 95 Becker, B. A., 139 Béládi, I., 113 Berkhoff, H. A., 481 Bhadra, R., 31 Bianchi, F., 95 Bly, J. E., 211

Caldwell, C. W., 139 Campa, M., 95 Canicatti, C., 69 Chadwick, J. S., 369 Clem, L. W., 211 Čolić, M., 347 Coosemans, V., 69 Corbel, C., 439

Davison, T. F., 305 de Fraissinette, A., 355 Denno, K. M., 85 Deschaux, P., 475 Dexiang, C., 201 Dezutter-Dambuyant, C., 335 Dijkstra, C. D., 9 Dixon, O. W., 231 Dolfi, A., 95 Dragojević-Simić, V., 347 Dujić, A., 347

El Deeb, S. O., 151 Evans, D. L., 223, 295

Faisal, M., 255 Feldwick, A. C., 39 Flory, C. M., 283 Fossum, C., 415 Freer, G., 95 Friedman, H., 131 Fujikura, Y., 121 Fujimoto, S., 185 Fukumoto, T., 121

Garssadi, S. O., 113 Gašić, S., 347 Glick, B., 319, 457 Graham, S., 59 Grizel, H., 261

Hadji-Azimi, I., 69 Harris, D. J., 223 Harris, D. T., 295 Hervio, D., 261 Holt, P. S., 447 Hosokawa, T., 465

Izawa, H., 49

Jabe, J. M., 85 Jaso-Friedmann, L., 223, 295 Johnson, H. D., 139 Joshi, P., 319

Kamiya, H., 379 Kisugi, J., 379 Kittner, Zs., 457 Klein, T. W., 131 Kline, K., 425 Kodama, H., 49 Koyama, K., 465 Kuniki, H., 121 Kusuda, R., 185

Lassila, O., 239 Leonard, L. A., 19 Lillehoj, H. S., 425 Lorenzen, N., 415 Lupetti, M., 95

Macey, D. J., 39 Mándi, Y., 113 Matsunaga, T., 1 McCorkle, F. M., 85 Mialhe, E., 261 Mikami, T., 49 Millar, D. A., 405 Miller, L., 481 Miller, N. W., 211 Mitra, R., 139 Morgan, T. J., Jr., 425 Mori, K., 161 Murai, T., 49

Naiki, M., 49 Newton, C., 131 Niwano, Y., 139 Nowak, J. S., 239

Ohye, H., 379 Olah, I., 457

Pardue, S. L., 105 Payne, L. N., 305 Penhale, W. J., 39 Plumb, J. A., 355 Pross, S. H., 131 Pryce, M. J., 369

Qureshi, M. A., 481

Ratcliffe, N. A., 269, 405 Richards, E. H., 269 Rowley, A. F., 367

Saad, A. H. M., 151 Sage, M., 475 Sanders, B. G., 425 Sarbadhikary, S. B., 31 Schmitt, D., 335 Secombes, C. J., 59 Senesi, S., 95 Seto, F., 327 Shozawa, A., 175 Siwicki A. K., 231 Sminia, T., 9 Smith, J., 131 Soos, G., 457 Sövényi, J. F., 185 Staton, D. L., 295 Strandberg, J. D., 19 Suto, C., 175 Suzuki, T., 161

Taylor, R. L., Jr., 85 Thivolet, J., 335 Thomas, J.-L., 439 Thuvander, A., 415 Törmänen, V., 1 Toro, I., 457

Vainio, O., 239 van Rees, P. E., 9 Verlhac, V., 475

Warr, G. W., 247 Widen, R., 131 Williamson, R. A., 305 Winkelstein, J. A., 19

Yamamoto, H., 185 Yamazaki, M., 379 Yang, R., 385, 397 Yoshino, T. P., 385, 397

KEYWORD INDEX Volume 14, 1990

2-keto-3-deoxyoctonate, 31 A23187, 223 A23187 modulation, 295 A. salmonicida, 185 Acute phase protein, 49 Adenosine deaminase, 95 Adrenergic, 283 Agglutinin, 269 Albinism, 105 Alternative pathway, 19 Amino acid composition, 247 Antibody production, 305 Antibody response, 283 Antibody, 1, 39 Anuran amphibians, 359 Asterias forbesi, 19 Avian macrophages, 319

B₂-microglobulin, 247 B cell, 69 B cells, 211 B lymphocytes, 95 B-cell development, 239 B-cell differentiation, 69 B-glycerophosphate, 31 Bactericidal, 19 Bactericidal, 201 Biochemical characterization, 19 Biogenic amines, 85 Bivalve mollusc, 261 Bivalve, 161 Blastogenesis, 139 Blood cells, 121 Bone marrow, 121, 335, 359 Bursa of Fabricius, 95, 239 Bursal cells, 319

C locus, 105
C-polysaccharide, 49
C-reactive protein, 49
Ca²⁺-dependency, 175
Calcium ionophore, 223
Calmodulin-like protein, 175
Carcinoscorpin, 31
Carp, 185
Carp, 255
Catfish, 201
Cell-mediated immunity, 305
Cellular requirements, 59

Channel catfish, 211 Chicken granulocytes, 113 Chicken, 85, 95, 239, 247 Chickens, 305 Chicks, 105 Cholinergic, 283 cIg. 69 Coliphages, 261 Complement, 19 Conjugates, 359 Cord blood, 335 Crassostrea gigas, 261 Culture, 255 Cytokeratins, 347 Cytotoxic, 255 Cytotoxicity, 223

Dexamethasone, 139 Diversity, 1 Dopamine, 85

Echinodermata, 19 ELISA, 49 Epidermis ontogeny, 335 Evolution, 1 Extatosoma tiaratum, 269 Extracellular products, 185

Fetal liver, 121 Fish immunology, 231 Fish, 231 Flow cytofluorography, 121 Flow cytometry, 185 Freund's complete adjuvant, 185 Frogs, 359

Goitrogen, 305

Haemocytes, 269
Haemopoietic inductive
microenvironment, 9
Hemagglutinin, 39
Hematopoiesis, 69, 121
Hemocyte, 161, 175
Hemolymph, 161
Hemolysin, 39
Hemolytic, 19
Homology, 1
Human NK cells, 113

Immune responses, 151
Immune system, 9
Immunization, 231
Immunocytochemistry, 161
Immunohistochemistry, 121, 347
Immunology, 131
Immunopathology, 185
Immunopharmacology, 283
Immunoregulation, 283
Immunostimulation, 31, 231
Immunosuppression, 139, 211
In vitro assay, 261
In vitro, 231
Induction, 31
Insect, 269

Lamprey, 39 Langerhans cells, 335 Lectin, 161, 269 Leucocyte, 255 Leukocyte migration, 85 Levamisole, 231 Lipopolysaccharide, 185 Lymph nodes, 9 Lymphocyte inhibitory factor, 319 Lymphocyte-depletion, 59 Lymphocytes, 139, 305 Lymphocytic chemotactic factor, 319 Lymphoid organs, 151 Lymphokine secretion, 59 Lymphokines, 319 Lytic units, 359

Macrophage, 255
Macrophage-depletion, 59
MAF
Mammals, 347
Marijuana, 131
Maternal antibody, 105
Mechanical injury, 31
Mer+ cell, 327
Mitogens, 131, 305
Modulation of cytotoxicity, 223
Monoclonal antibodies, 211
Monoclonal antibody, 121, 295
Monocyte, 255
Mucosa associated lymphoid tissue, 9
Murine ontogeny, 131

Natural cytotoxicity, 113
NCC, 223
Neonatal immunodepression, 327
Neuroimmunology, 283
Neurotransmitters, 283
Neutrophil, 201
Neutrophils, 211
NK cell activity, 359
NK cells, 223
Non-self recognition, 269
Norepinephrine, 85

Ontogeny, 9, 151 Opsonin, 201 Organ culture, 239

Panning, 59
Partial sequence, 247
Parturition, 139
Peripheral blood, 359
PFC formation, 327
Phagocytic, 255
Phagocytosis, 161, 201
Phorbol esters, 223
Pinctada, 161
Plasma cell, 69
Plasma membrane, 161
Pomacea canaliculata, 175
Pre-B cell, 69

Rainbow trout, 49, 59, 231, 283 Rat, 9, 121 Receptor modulation, 295 Receptors, 269 Reptiles, 151 Reversible aggregation, 175 Rosetting, 269

Sea star, 19
Secondary structure, 247
Serine esterase, 113
Serine protease, 261
Serological cross-reactivity, 247
Serotonin, 85
Serum binding factors, 39
Serum, 261
slg+ and slg- cells, 59
slg, 69

Signal transduction, 295 Snail, 175 Specific density, 185 Spleen, 9, 231, 359 Stress, 211, 305 Suppression, 131

T cells, 131, 211
T- and B-lymphocytes, 151
T-cell function, 139
T-cell receptor V genes, 1
TCR V genes, 1
THC, 131
Thymic cells, 319

Thymic epithelium, 347 Thymus, 9 Thyroid hormones, 305 Tumor promoters, 223

Unidentified protein, 247

V gene sequences, 1 V genes, 1 Vibrio anguillarum, 49 Viral neutralizing factor, 261

Xenopus, 69